

DATA COLLECTION FORM

Timeliness of acute stroke care in three referral hospitals in Douala, Cameroon

Multicenter cross-sectional analytical study — Douala General Hospital · Douala Gynaeco-Obstetric and Paediatric Hospital · Douala Laquintinie Hospital

0. Identification

Patient identification number (anonymized)	
Recruiting site (DGH / DGOPH / DLH)	
Data collector's name	
Date form completed (dd/mm/yyyy)	

1. Eligibility criteria

- ☐ Age ≥ 18 years
- ☐ Diagnosis of acute stroke confirmed by brain imaging
- ☐ Admitted through the emergency department or neurology service
- ☐ Informed consent obtained (patient or authorized representative)
- Exclusion criteria (tick if present — patient to be excluded)**
- ☐ Cerebral venous thrombosis
- ☐ Subarachnoid hemorrhage
- ☐ Declined participation / consent could not be obtained

2. Sociodemographic characteristics

Age (years)	
Sex: ☐ Male ☐ Female	
Marital status: ☐ Married ☐ Single ☐ Widowed ☐ Divorced	
Occupation: ☐ Formal employment ☐ Informal employment ☐ Retired ☐ Unemployed/Housewife ☐ Student	
Religion	
Place of residence: ☐ Douala ☐ Outside Douala (specify):	

3. Vascular risk factors and comorbidities

Hypertension: prior diagnosis OR BP $\geq 140/90$ mmHg | Diabetes: prior diagnosis OR random glucose ≥ 2.0 g/L OR fasting ≥ 1.26 g/L | Excessive alcohol use: > 2 glasses of beer or equivalent/day for ≥ 1 year

Hypertension	☐ Yes ☐ No
Diabetes mellitus	☐ Yes ☐ No
Dyslipidemia	☐ Yes ☐ No ☐ Unknown
Alcohol consumption (excessive)	☐ Yes ☐ No

Smoking	☐ Yes ☐ No
Kidney disease	☐ Yes ☐ No
Cardiac disease	☐ Yes ☐ No
Previous stroke	☐ Yes ☐ No
Cancer	☐ Yes ☐ No
HIV infection	☐ Yes ☐ No
Hepatitis C	☐ Yes ☐ No
Sickle cell disease	☐ Yes ☐ No

4. Onset event and prehospital pathway

Date and time of symptom onset / last known well (LKW)	
Wake-up stroke: ☐ Yes ☐ No	
Initial symptom (specify)	
Patient had previously heard about stroke	☐ Yes ☐ No
Symptoms considered alarming by patient/caregiver	☐ Yes ☐ No
Immediate hospital care sought	☐ Yes ☐ No
First facility consulted was neurology-equipped	☐ Yes ☐ No
Mode of transport to hospital (specify: private vehicle / taxi / ambulance / other)	
Date and time of hospital arrival	

5. Clinical presentation on admission

Presenting features (tick all that apply)

- ☐ Motor deficit ☐ Language disorder ☐ Altered consciousness
☐ Sensory disturbance ☐ Visual disturbance ☐ Ataxia / dizziness ☐ Headache ☐ Other:

Systolic / diastolic blood pressure (mmHg)	
Pulse rate (bpm)	
Respiratory rate (breaths/min)	
Oxygen saturation SpO₂ (%)	
Capillary blood glucose (g/L)	
Body temperature (°C)	
Glasgow Coma Scale (GCS) score: /15	
NIHSS score (if available): / 42	

6. Timestamps — process-of-care time measures

Delay defined as: Onset-to-Door (OTD) > 270 min (4h30) ; Door-to-Neurologist (DTN) > 60 min ; Door-to-Imaging (DTI) > 25 min.

Time of symptom onset / LKW (as above)	
Time of hospital arrival (as above)	
→ Onset-to-Door (OTD) interval, in hours/minutes	
Time of first assessment by a neurologist	
→ Door-to-Neurologist (DTN) interval, in minutes	
Time initial brain imaging was completed	
→ Door-to-Imaging (DTI) interval, in minutes	

7. Investigations

Brain imaging performed	☐ CT ☐ MRI ☐ Both
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8. Stroke classification

Stroke type	☐ Ischemic ☐ Hemorrhagic
Vascular territory / topography (specify)	

Data collector's name and signature

Date validated (dd/mm/yyyy)